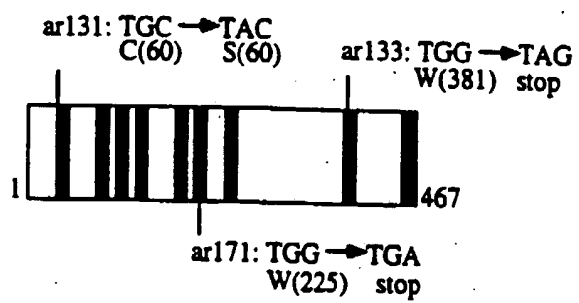


[illegible]

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FIGURE 1B



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FIGURE 2A

| | | | | | |
|--------|------------|------------|------------|------------|-------------|
| SEL-12 | | | | | ..MPSTRRRQQ |
| S182 |MTEIP | APLSYFQNAQ | MSEDNHLST | VRSQNDNRER | QEH.NDRRSL |
| E5-1 | MLTFMADSE | EEVCDERTSL | MSAESPTPRS | CQEGRQGPED | GENTAQRWSQ |

| | | | | | |
|--------|------------|------------|------------|------------|------------|
| SEL-12 | EGGGADAETH | TVYGTNLITN | RNSQEDENVV | EEAELKYGAS | HVIHLFVPVS |
| S182 | GHPEPLSNGR | PQGNRQVVE | QDEED.... | EELTLKYGAK | HVIMLFVPVT |
| E5-1 | ENEEDGEEDP | DRYVCSGVP | RPPGLE.... | EELTLKYGAK | HVIMLFVPVT |
| SPE-4 | | | ...MDTLRSI | SSELVRSSQL | RWTLFSVIAN |

TM1

| | | | | | |
|--------|------------|------------|------------|-------------|------------|
| SEL-12 | LCMALVV.FT | MNTITFYQN | NGRHLLSHPF | VRETDISIVEK | GLMSLGNALV |
| S182 | LCMVVVV.AT | IKSVSFYTRK | DG.QLIYTPF | TEDTETVGQR | ALHSILNAAI |
| E5-1 | LCMIVVV.AT | IKSVRFYTEK | NG.QLIYTPF | TEDTPSVGQR | LENSVLNTLI |
| SPE-4 | MSLTLSIWIG | VYNMEVNSEL | SKTYFLDPSF | EQTIGNL... | LDGFGINGVG |

TM2

TM3

| | | | | | |
|--------|------------|------------|------------|------------|------------|
| SEL-12 | MLCVVVLMTV | LLIVFYKYKF | YKLIHGWLIV | SSFLLLF... |LFTT |
| S182 | MISVIVVMTI | LLVVLYKYRC | YKVIHAWLII | SSLLLLF... |FFSF |
| E5-1 | MISVIVVMTI | FLVVLYKYRC | YKFTHGWLIM | SSLMLLF... |LFTY |
| SPE-4 | TILVLGCVSF | IMLAFLVDF | RRIVKAWLTL | SCLLILFGVS | AQTLHDMFSQ |

TM4

| | | | | | |
|--------|------------|------------|------------|-------------|------------|
| SEL-12 | IYVQEVLSKF | DVSPSALLVL | FGLGNYGVLG | MMCIIHWKGPL | RLQQFYLTIM |
| S182 | IYLGEVFKTY | NVAVDYVTV | LLIWNFGVVG | MISIIHWKGPL | RLQQAYLTIM |
| E5-1 | IYLGEVFKTY | NVAMDYPTLL | LTVWNFGAVG | MVCIIHWKGPL | VLQQAYLTIM |
| SPE-4 | VFDQDDNNQY | YMTIVLIVVP | TVVYGFG..G | IYAFFSNSSL | ILHQIFVVIN |

TM5

TM6

| | | | | | |
|--------|------------|------------|------------|------------|------------|
| SEL-12 | SALMALVFIK | YLPWTVWVFV | LFVISVWDLV | AVLTPKGPLR | YLVETAQERN |
| S182 | SALMALVFIK | YLPWTAWLI | LAVISVYDLV | AVLCPKGPLR | MLVETAQERN |
| E5-1 | SALMALVFIK | YLPWSAWVI | LGAISVYDLV | AVLCPKGPLR | MLVETAQERN |
| SPE-4 | CSLISVFYLR | VFPSTTWVFV | LWIVLFWDLF | AVLAPMGPLK | KVQEKASDYS |

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FIGURE 2B

TM7

 XX
 SEL-12 EPIFPALIYS SGVIYPYVLV TAVENTTDPR EPTSSDSNTS TAFPGEASCS
 S182 ETLFPALIYS STMVW...LV NMAEGDPEAQ RRVSKNSKYN AESTERESQD
 E5-1 EPIFPALIYS SAMVW...TV GMAKLDP...SSQALQ LPYDPMEED
 SPE-4 KCVLNLIMFS ANEKRLTAGS NQEETNEGEE STIRRTVKQT IEYYTKREAQ

SEL-12 SE..... ..TPKRPKVK RIPQKVQIES
 S182 T..... ..VA ENDDGGFSSE
 E5-1 S..... ..YD SFGEPSYPBV
 SPE-4 DDEFYQKIRQ RRAAINPDSV PTEHSPLVEA EPSPIELKEK NSTEELSODE

SEL-12 NTIASITQNS GVRVERELAA ERPTVQDANF HRHEEEERG.
 S182 WEAQRDSHLG PHRSTPESRA AVQELSSSIL AGEDPEERG.
 E5-1 FEPPLTGYPG EEL..... ..EEEEERG.
 SPE-4 SDTSETSSGS SNLSSSDSST TVSTSDISTA EECDAQEWDD LVSNSLPNND

 X
 SEL-12 VKLGL GDFIFYSVLV GKASSYF..D WNTTIACYVA
 S182 VKLGL GDFIFYSVLV GKASATASGD WNTTIACFVA
 E5-1 VKLGL GDFIFYSVLV GKAAATGSGD WNTTIACFVA
 SPE-4 KRPATAADAL NDGEVLRLLGF GDFVYSLLI GQAAASGCP. FAVTSAALG

 X

TM8

 SEL-12 ILIGLCFTLV LLAVFKRALP ALQFPFSPDS FFTVPAGSS PHLHKSLKS
 S182 ILIGLCFTLL LLAIFKKALP ALPISITFGL VFYATDYLQ QPFMDQLAFH
 E5-1 ILIGLCFTLL LLAVFKKALP ALPISTTFGL IFYSTDNLV RPFMDTLASH
 SPE-4 ILFGLVVTIT VFSTEESTTP ALPLPVICGT PCYSSMFFW EQLYG.....

TM9?

 SEL-12 VYVINSFLFP FLCIINFSS
 S182 QFYI.....
 E5-1 QLYI.....

FIGURE 3A

FIGURE 3B

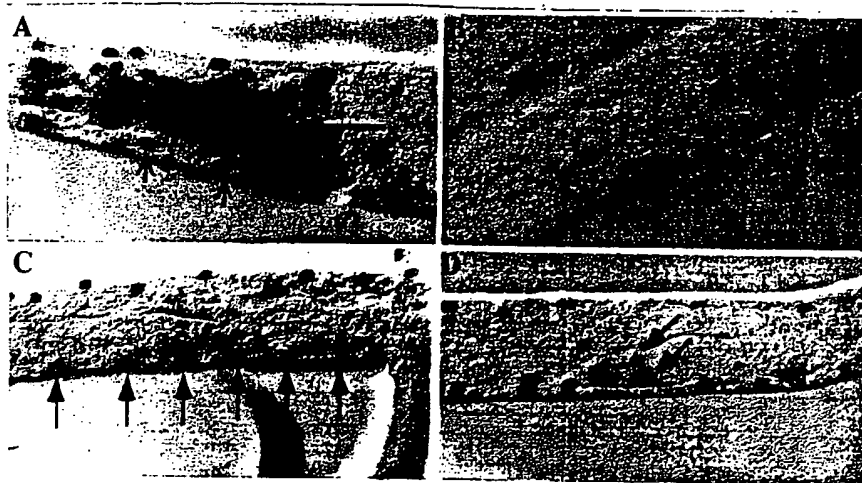


FIGURE 3C

FIGURE 3D